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| Application No. | Applicant(s) |
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| 10/024,178      | JAE CHUNG    |
| Examin r        | Art Unit     |

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| Rejected            |      | (Through numera<br>Cancelled | al) | N | No |

Non-Elected

Appeal o Objected

2826

Rejected Allowed

Restricted Interference

|          |       |  |              |  |                |          |              |  |          |          | _         |          |               |              |          |          |          |          |          |          |                 |              |            |              |         |         |              |           |         |         |         |
|----------|-------|--|--------------|--|----------------|----------|--------------|--|----------|----------|-----------|----------|---------------|--------------|----------|----------|----------|----------|----------|----------|-----------------|--------------|------------|--------------|---------|---------|--------------|-----------|---------|---------|---------|
| Claim    | Т     | Date   |              |  |                |          | Claim Date   |  |          |          |           |          |               |              |          |          | CI       | aim      | Date     |          |                 |              |            |              |         |         |              |           |         |         |         |
| Final    | 60 61 | 1111105                                      |              |  |                |          |              |  |          |          | E I       | Original |               |              |          |          |          |          |          |          |                 | Final        | Original   |              |         |         | 1            |           |         |         |         |
| 1        | 1     | 1  | 1            | 1  | 1              | Ļ        |              |  |          |          |           | 51       |               |              |          |          |          |          |          |          |                 |              | 101        | $\downarrow$ | 1       | #       | #            | 1         | #       | $\pm$   | $\mp$   |
| 2 3      | _     | 4  | +-           | +-   | -              | +        | +            | -  | -        | -        |           | 52<br>53 | ⊢             | -            | -        | -        | -        | _        | -        | ├        | H               |              | 102<br>103 |              | +-      |         | +            | +         | +       | +       |         |
| 4        | _     | +  | 十            | +-   | 1-             | +        | $\vdash$     | <del>                                     </del> | 1        | -        | 7         | 54       | _             |              | ╁        | $\vdash$ |          |          | _        | $\vdash$ | $\vdash$        | -            | 104        | +            |         | +       | +            |           | +       | +       | +       |
| 5        |       |  | 1            | 1  | T              | T        | T            | Т  |          |          |           | 55       |               |              | $\vdash$ |          |          |          |          | 1        | 1               |              | 105        | $\dashv$     | +       | +       | $\dagger$    | $\dagger$ | 1       | +       | †       |
| 6        |       | <u>.                                    </u> | L            |  |                |          |              |  |          |          |           | 56       |               |              |          |          |          |          |          |          |                 |              | 106        |              | I       | I       |              |           | I       | I       |         |
| 7        | +-    |  | 1_           | 1  | 1_             | 1        | 1_           | <u> </u>   | L_       |          |           | 57       |               | <u> </u>     | _        | _        |          | $\Box$   |          |          |                 |              | 107        |              | $\perp$ | $\perp$ | I            | $\perp$   | Ţ       | $\perp$ |         |
| 8        | _     |  | -            | 1-   | 1-             | -        | <b>├</b> -   | ļ  | l        |          | _         | 58       | <b> </b> _    | ļ            | _        | <u> </u> |          |          | L_       | _        | Н               |              | 108        | _            | -       | 1.      | +            | 1         | 4       | 4       |         |
| 9        | -     | 1  | +-           | ┼-   | ╁              | ┼        | <del>}</del> | ╁  | -        |          | -         | 59<br>60 |               | -            | -        | -        | -        |          |          | -        | $\vdash$        |              | 109        | +            | +       | +       | +            | +         | +       |         | +-      |
| 11       |       | _  | +            | ╁╌   | ┼-             | +-       | ╁╌           | ├  | }-       | -        | -         | 61       | -             |              | -        |          | -        | -        | -        | -        | $\vdash$        | -            | 111        | +            |         | +       | +            | +         | +       | +       | ╁       |
| 12       |       |  | +-           | +  | +-             | +-       | -            | -  | -        |          | _         | 62       | -             | -            | -        | -        |          |          | _        | -        | $\vdash$        | -            | 112        | +            | +       | +       | +            | +         | +       | +       | +       |
| 13       |       | 4  |              | 1  | 1              |          |              |  | _        |          |           | 63       | _             | $\vdash$     |          |          |          |          |          |          |                 |              | 113        |              | $\top$  | $\top$  | †            | $\top$    | $\top$  | _       | +       |
| 14       |       |  |              |  |                |          |              |  |          |          |           | 64       |               |              |          |          |          |          |          |          |                 |              | 114        | 1            |         | $\perp$ |              |           | $\perp$ | $\perp$ | T       |
| 15       |       | ٥  | $\perp$      | 1  | ┺              | 1        | 1_           | _  |          |          |           | 65       |               | L            |          |          |          |          |          |          |                 |              | 115        |              |         | I       | Γ            |           | I       | $\perp$ | $\Box$  |
| 16       |       |  | -            | ┼-   | ╁-             | ╄-       | ١.           | <b> </b>   |          |          | _         | 66       | -             | ļ            | <u> </u> |          |          |          |          |          |                 |              | 116        | _            | $\perp$ | _       | +            | _         | $\perp$ | 4       | +-      |
| 17       | _     | ┵.   | +-           | ⊢  | -              | }        | -            | -  |          | -        | -         | 67<br>68 | -             | -            | -        | -        |          |          |          |          | -               |              | 117        | +            | +       | +       | +            | +         | +       | +       | +-      |
| 19       |       |  | +            | +-   | +-             | +        | <u> </u>     | -  | -        | -        | -         | 69       | $\vdash$      | -            | ├─       |          |          |          |          | -        | -               | -            | 118<br>119 |              | +       | -       | +            | +         | +       | +       | ┿       |
| 20       |       | 4  | +-           | $\vdash$   | +              | +-       | <del> </del> | -  | $\vdash$ | -        | -         | 70       |               | <del> </del> |          | -        |          |          |          | H        |                 | <del> </del> | 120        | +            | +       | +       | +            | +         | +       | +       | +-      |
| 21       |       | $\top$                                       | $\top$       | 1  | 1              | 1        | 1            |  |          |          | 7         | 71       |               |              |          | -        |          |          | _        |          |                 |              | 121        | $^{+}$       |         | +       | +            | +         | +       | +       | +       |
| 22       | : [   | Ι  | $\top$       | $\prod$  |                |          |              |  |          |          |           | 72       |               |              |          |          |          |          |          |          |                 |              | 122        |              | $\top$  | $\top$  | T            | $\top$    | $\top$  |         | 1       |
| 23       |       |  | -            | $\perp$  | $\perp$        |          |              |  |          |          | $\Box$    | 73       |               |              |          |          |          |          |          |          |                 |              | 123        | $\perp$      | $\perp$ | $\top$  | I            | $\perp$   | $\perp$ | $\perp$ | $\perp$ |
| 24       |       | 4  | ╄            | ↓_   | ↓_             | ↓_       | ـــ          | ┡  |          |          | 4         | 74       |               |              | _        |          |          |          |          |          |                 | -            | 124        | 4            | _       | $\bot$  | 1            | +         | $\perp$ | $\perp$ | $\perp$ |
| 25<br>26 |       | +  | +-           | ╁  | +-             | ⊬        | ├-           | ├  | <u> </u> |          | 4         | 75       | L-            |              | -        | -        |          | -        |          |          |                 | -            | 125        |              | +       | +       | +            | +         | +       |         | +       |
| 27       | -     | ╁  | +-           | ╁  | +-             | ├        | $\vdash$     | -  | -        | -        | $\dashv$  | 76<br>77 |               |              |          | -        |          |          |          |          | $\dashv$        | -            | 126<br>127 | +            | +       | +-      | +            | +         | +       | +       | +       |
| 28       |       | ╁  | +-           | -  | ┰              | ╁        | ╁            | <del>  -</del>                                   |          | -        | 7         | 78       | -             | -            | $\vdash$ | -        |          |          |          | -        | $\vdash$        | -            | 128        | +            | +       | +       | +            | +         | +       | +       | +-      |
| 29       | ,     | $\top$                                       | $\vdash$     |  | $\top$         | $\vdash$ | $\vdash$     |  |          |          | $\exists$ | 79       |               |              |          |          |          |          | _        | -        | $\neg$          |              | 129        | $\top$       | +       | +       | +            | +         | +       | +       | +       |
| 30       |       | I  | $\Box$       |  |                | $\Box$   |              |  |          |          |           | 80       |               |              |          |          |          |          |          |          |                 |              | 130        | $\neg$       | +       | $\top$  | $\top$       |           | $\top$  | 1       | $\top$  |
| 31       |       | 1_   | _            | L  | <u> </u>       | _        | L            | L.   |          |          | _         | 81       |               |              |          |          | _        |          |          |          |                 |              | 131        |              | $\perp$ |         | I            | I         | $\perp$ |         | $\top$  |
| 32       |       | 4  | -            | ļ.,  | ┞-             | _        | <u> </u>     | _  | L.,      | <u> </u> | _         | 82       |               |              |          |          |          | _        |          |          | _               |              | 132        | _            | ┥.      | 4       | $\perp$      | _         | 4       | ┶       | 4       |
| 33       |       | +  | ⊬            | ├  | ├              | +-       | -            | ⊢  | Н        | -        | -         | 83<br>84 |               |              |          |          | $\dashv$ |          |          | _        |                 |              | 133        | -            | +       | +-      | ╀            | +         | +       | +       | +       |
| 35       |       | +-   | ╁╌           | ╁  | -              | ╁─       | $\vdash$     | -  | Н        | -        | +         | 85       | $\vdash$      | -            | -        | -        |          | $\dashv$ |          |          | $\vdash \vdash$ | -            | 134<br>135 | $\dashv$     | +       | +       | +            | +         | +       | +       | +-      |
| 36       |       | +  | $\vdash$     | <del>                                     </del> | _              | $t^-$    | $\vdash$     | _  | Н        |          | $\dashv$  | 86       | $\vdash$      |              |          | $\vdash$ | $\neg$   | -        | -        | Н        |                 | -            | 136        | +            | +       | ╁       | $^{\dagger}$ | +         | +       | +       | +       |
| 37       |       |  | 1            |  |                |          |              |  |          |          | $\neg$    | 87       |               |              |          |          |          |          |          |          |                 |              | 137        | $\neg$       | $\top$  | ✝       | +            | $\top$    | +       | $\top$  | +       |
| 38       |       |  |              |  |                |          |              |  |          |          |           | 88       |               |              |          |          |          |          |          |          |                 |              | 138        |              |         |         | 1            |           | $\perp$ | I       | I       |
| 39       |       | _  | <u> </u>     | <u> </u>   |                |          | _            | L_   |          | L        |           | 89       |               |              |          |          |          |          |          |          |                 |              | 139        | $\Box$       | $\perp$ |         | L            | $\perp$   | $\perp$ | $\Box$  |         |
| 40       |       | +  | <del> </del> | ↓_   | _              | _        | <u> </u>     | <u> </u>   | _        |          | 4         | 90       | _             |              |          |          |          |          |          |          | _               | <u> </u>     | 140        | _            | _       | $\perp$ | 4            | 4         | $\perp$ | 4       | _       |
| 41       |       | 4-   | +-           | ├  | ├              | ├-       | -            | -  | -        | -        | 4         | 91       |               | -            |          | $\vdash$ |          | {        | -        | -        |                 | ļ            | 141        |              | - -     | +-      | +            | -         | +       | +       | +       |
| 42       |       | +  | +-           | ╁  | ├-             | ╁─       | $\vdash$     | -  | -        | -        | +         | 92<br>93 | $\dashv$      | $\dashv$     |          |          | $\dashv$ | -+       |          |          |                 |              | 142        |              | +-      | +       | ╁            | ╁         | +       | +-      | +-      |
| 44       |       | +-   | +            | $t^-$  | <del>  -</del> | 1        | 1            | H  | -        | <u></u>  | +         | 94       | $\rightarrow$ |              |          |          | -†       | -        | -        |          | $\dashv$        |              | 144        | +            | +       | +-      | +            | +         | +       | +       | +       |
| 45       |       | 1  | †            | †  |                | 1        |              |  | $\dashv$ | -        | +         | 95       | -             |              | $\dashv$ |          | $\dashv$ | 7        | $\dashv$ | -        | $\dashv$        |              | 145        | +            | +-      | +       | +            | +         | +       | +       | +       |
| 46       |       | I  |              |  |                |          |              |  |          |          | J         | 96       |               |              |          |          |          |          |          |          |                 |              | 146        | $\top$       | 1       |         | †            | 1         | +       | +       | T       |
| 47       |       |  | $\perp$      |  |                |          |              |  |          |          | J         | 97       |               |              |          |          |          | $\Box$   |          |          |                 |              | 147        | $\perp$      | $\perp$ | I       | I            | Ι         | $\perp$ | I       | $\Box$  |
| 48       | 1     | 4  | 1_           | 1  | <u> </u>       | <u> </u> |              |  | _        | <u> </u> | _         | 98       | _             | 4            |          |          | _        | _[       | _        | _        |                 |              | 148        | 4            | 1       | 1       | 1            | $\perp$   | T       | 1       | 1       |
| 49       |       | +  |              | -  | -              |          |              |  |          | -        | +         | 99       |               | _            |          |          | -        |          | _        |          |                 | -            | 149        | 4            | +       | +       | 4            | 4         | 4       | -       | 1-      |
| 50       |       | 1_   | <u> </u>     | <u> </u>   | <u> </u>       |          | لسا          | لـــا  |          | L_       | _1        | 100      |               |              |          |          |          |          |          |          |                 |              | 150        |              |         | 1_      | 1_           | _1_       | 1_      |         | 1_      |